

SUPPLEMENTARY DATA

Supplementary Table 1. Demographic and clinical characteristics of older Americans with and without diabetes

Age group, years	57-64	57-64		65-74	65-74		75-85	75-85			
	Diabetes	No DM	<i>P</i> ¹	Diabetes	No DM	<i>P</i> ²	Diabetes	No DM	<i>P</i> ³	<i>P</i> ⁴	<i>P</i> ⁵
Number	202	818		267	825		173	720			
DM prevalence by age group, %	20	-		24	-		19	-		<0.0001	
Demographic characteristics											
Female sex, percent	45	49		49	50		51	59		0.8	0.012
Ethnic group, %										0.4	0.0002
White	68.3	80.5		70.2	82.4		77.5	88.2			
Black	20.8	7.9		16.9	9.7		12.6	6.5			
Hispanic	8.0	8.3		9.2	6.2		8.5	3.6			
Other	2.9	3.3		3.7	1.7		1.4	1.7			
Educational attainment, %										0.004	<0.0001
Less than high school	14.4	12.9		28.5	16.6		27.6	26.8			
High school equivalent	28.9	23.5		25.7	27.4		32.9	30.8			
Some college	33.0	31.3		28.5	33.4		29.3	22.8			
Bachelor's or higher	23.7	32.3		17.4	22.8		10.2	19.8			
Clinical characteristics											
Heart attack or heart failure, %	9.2	3.9		8.8	4.1		6.6	4.7		0.4	<0.0001
Hypertension, %	29	17		31	17		16	14		0.2	<0.0001
Poor kidney function, %	3.5	0.6		3.0	0.8		2.2	1.2		0.8	<0.0001
Fair or poor self-rated eyesight, %	8.1	5.0		9.0	4.4		5.9	3.9		0.3	0.1
Arthritis, %	23	18		20	17		16	15		0.02	<0.0001
Cancer, %	4.1	3.3		4.7	4.7		3.4	3.4		0.4	<0.0001
Number of drugs, mean (SE)	6.9 (0.4)	3.9 (0.1)		7.8 (0.3)	5.1 (0.1)		7.6 (0.3)	5.4 (0.2)		0.2	<0.0001
Insulin use, %	6.3	-		7.3	-		3.1	-		0.5	
HbA1c (%), mean (SE)	7.4 (0.2)	5.8 (0.04)		6.9 (0.1)	5.7 (0.02)		6.9 (0.1)	5.8 (.02)		0.03	0.0005
SBP ⁶ , mmHg, mean (SE)	137 (2)	133 (0.5)		140 (2)	136 (0.8)		140 (2)	139 (0.8)		0.2	0.0001
DBP ⁷ , mmHg, mean (SE)	82 (1)	84 (0.4)		79 (1)	81 (0.6)		74 (1)	75 (0.5)		<0.0001	<0.0001
BMI ⁸ (kg/m ²), mean (SE)	33 (0.5)	29 (0.2)		31 (0.4)	28 (.2)		30 (0.6)	27 (0.2)		<0.0001	<0.0001
Global health measures⁹											
Comorbidity score, mean (SE) ¹⁰	17 (1.2)	11 (0.3)	<.0001	18 (0.8)	15 (0.4)	0.0004	20 (0.7)	17 (0.5)	0.0091	0.2	<0.0001
Fair or poor physical health, %	17.6	7.3	<.0001	14.4	6.1	<.0001	9.8	7.2	0.0008		
Worse or much worse health relative to peers, %	12.7	4.0	<.0001	4.8	2.2	0.0059	2.4	1.8	0.1634		

SUPPLEMENTARY DATA

CES-D score, mean (SE)	7.0 (0.6)	4.7 (0.2)	0.0012	6.1 (0.3)	4.9 (0.2)	0.0032	5.6 (0.4)	6.0 (0.2)	0.3147	0.07	<0.0001
Depression, %	13.6	7.6	0.0008	9.6	6.4	0.0310	4.6	6.8	0.0703		
Fair or poor mental health, %	6.4	3.5	0.0077	5.3	2.6	0.0024	3.1	2.9	0.4348		

Values except for number adjusted for probability of selection and non-response, survey stratum, and cluster. DM=Diabetes mellitus

1. P value for difference across diabetics and non-diabetics in the 57-64 age groups. 2. P value for difference across diabetics and non-diabetics in the 65-74 age groups. 3. P value for difference across diabetics and non-diabetics in the 75-85 age groups. 4. P value for difference across age groups among respondents with diabetes. 5. P value for difference across age groups among respondents without diabetes. 6. Systolic blood pressure. 7. Diastolic blood pressure. 8. Body mass index. 9. All measures are by self-report. 10 Comorbidity score is sum of sex-standardized non-diabetes comorbid conditions recorded in NSHAP.

Supplementary Table 2. Logistic regression models predicting depression, fair or poor self rated physical health, health relative to peers, and mental health¹

	Depression²		Poor /fair self-rated physical health		Worse or much worse health relative to peers		Poor / fair self-rated mental health	
	OR (95% CI)	P	OR (95% CI)	P	OR (95% CI)	P	OR (95% CI)	P
Diabetes respondents								
75-85 years relative to 57-64 years	0.41 (0.22-0.77)		0.86 (0.52-1.44)		0.27 (0.12-0.59)		0.73 (0.39-1.39)	
65-74 years relative to 57-64 years	0.54 (0.34-0.88)		0.68 (0.40-1.16)		0.31 (0.16-0.59)		0.72 (0.37-1.38)	
57-64 years	1 (ref)		1 (ref)		1 (ref)		1 (ref)	
Respondents without diabetes								
75-85 years relative to 57-64 years	1.51 (1.19-1.91)		1.73 (1.31-2.29)		0.60 (0.36-0.98)		1.20 (0.82-1.74)	
65-74 years relative to 57-64 years	0.97 (0.75-1.24)		0.94 (0.68-1.32)		0.55 (0.36-0.84)		0.89 (0.61-1.30)	
57-64 year, referent	1 (ref)		1 (ref)		1 (ref)		1 (ref)	
Age-diabetes interaction		0.007		0.03		0.2		0.2

1. Models are adjusted for gender, ethnic group, and educational attainment. 2. Depression is defined as CES-D score greater than or equal to 9 on 11-item CES-D scale.